

Abstract

A system and method for converting code associated with synchronous method calls to code that can be employed to perform asynchronous method calls and for supporting such asynchronous method calls is provided. The system includes a pattern generator that can break code for a synchronous method call into one or more constituent parts including a begin asynchronous operation method, an end asynchronous operation method, an asynchronous call state object and an asynchronous call result object. The system includes a pattern data store that holds data associated with converting a synchronous method call to an asynchronous method call, which facilitates employing the system consistently across environments like file input/output, stream input/output, socket input/output, networking, remoting channels, proxies, web forms, web services and messaging message queues.